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ABSTRACT

With the growth of computer technology, bibliographic data bases have developed into sophisticated online research tools. The major data bases are produced by abstracting and indexing (A&I) publishers. Vendors purchase the A&I publishers' machine readable tapes, then sell computer access to the tapes to information based organizations such as libraries, which in turn sell access to individual users. However, bibliographic data bases cannot necessarily provide better access to Hispanic materials than traditional catalogs and indexes, since so much literature by and about Hispanics is produced outside the established publishing industry and is not controlled by indexing and other standards. The use of Selective Dissemination of Information services may improve access to Hispanic studies. The Hispanic Consortium may also decide to undertake direct searching of commercially available data bases. For the Hispanic researcher, careful vocabulary control and selection of an appropriate data base are essential. To determine which data bases generally contain relevant information and which index terms are most commonly used, 35 data bases were searched, employing terms often used to describe Hispanic population in the United States. A lengthy appendix contains a subject description of each data base in the study. (SB)

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ED184756

NATIONAL CHICANO RESEARCH NETWORK

THE USES OF AUTOMATED BIBLIOGRAPHIC DATA BASES IN THE DEVELOPMENT OF AN HISPANIC DATA BASE*

By

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and

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*Adopted from a report written for the SSMHRC by Elva Yanez, Our special thanks to Edward Kazlauskas (U.S.C.) who helped in the compilation of this report.

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Introduction

As will be demonstrated bibliographic data bases contain a large number of citations which are applicable to Hispanic Studies. This report will review the applicability of bibliographic data bases to bibliographic endeavors in general and to the development of an Hispanic data base in particular. Additionally, the information contained within this report will hopefully serve as a beginning place for both information specialists and users who plan to take advantage of the resources contained in bibliographic data bases.

History of Data Bases

Much like index and abstract publications, bibliographic data bases are secondary bibliographic sources which provide a means of control over materials such as monographs, journal articles and technical report literature. Bibliographic control porvides for (1) a record of published documents; (2) the systematic organization of that record and; (3) access to the document by means of the organized record.

The history of the bibliographic data base is directly related to index and abstract publications such as Psychological Abstracts and Index Medicus. In the late 1960's and early 1970's the computer was utilized in the printing of such index and abstract publications. By-products of this printing method were machine readable tapes containing the entire contents of the index. Federally funded projects developed software package which made it possible to search the tapes of the indexes by means of the computer as well as allowing for the searching of multiple concepts at once.

History of Data Bases (continued)

These early software packages were processed in the batch mode--i.e., the programs to be executed were collected into groups to permit convenient, efficient processing. Batch processing may be thought of as an indirect method of accessing the central processing unit (CPU) of the computer. Advances in computer technology have resulted in in-line processing, a technique in which data are accepted for processing as is without preliminary sorting or editing and without being collected into batches. Related developments are the on-line devices, such as terminals, which enable direct communication with the CPU by means of telecommunications.

Together, in-line processing and on-line devices have resulted in on-line systems. Most commercial bibliographic data bases are available through on-line systems. In a commercial on-line system, an individual at a remote location searches the data base by means of the terminal. Those data bases which are not commercially available through an on-line system are generally available to the public from the data base producer.

The major bibliographic data bases are produced by abstracting and indexing (A&I) publishers. Organizationally, these publishers are of three types: independent organizations, such as the Institute of Scientific Information; professional societies, such as the American Psychological Association, and; governmental bodies, such as the U.S. Department of Commerce. These publishers are responsible for the annual production of millions of citations. These citations are published in hard copy form in their periodic A&I publications as well as in machine readable form for search and retrieval via on-line and batch systems. Psychological Abstracts is, for example, the printed A&I publication which corresponds with the PASAR data base. It is important to note that many of the bibliographic data bases provide access to more documents than their

History of Data Bases (continued)

printed counterparts; likewise, almost all of these databases provide increased modes of access to the references contained therein.

The following is a model of what Williams and Brandhorst call the publication/access process which is the basis for bibliographic data bases and A & I publications:

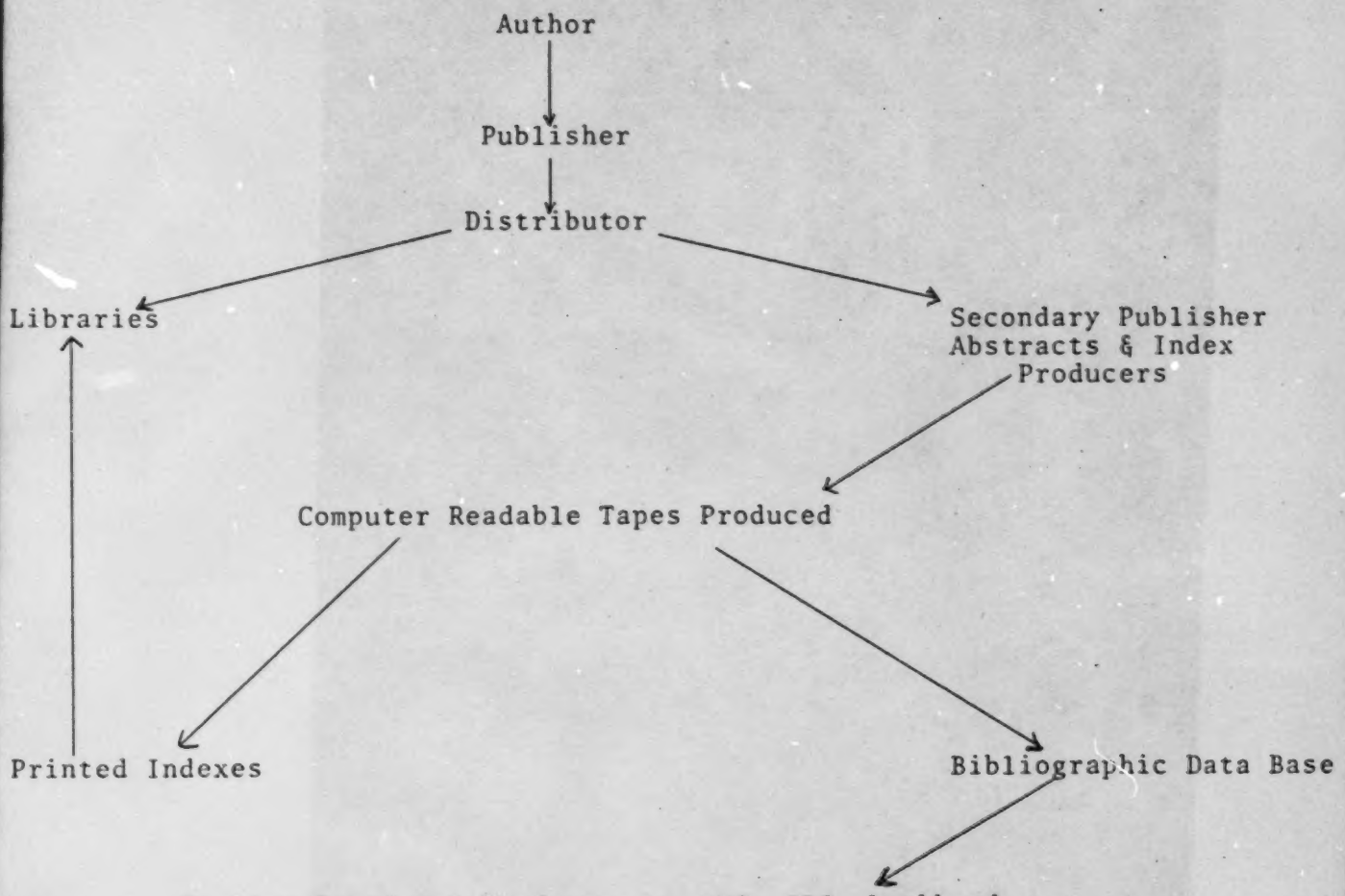
> "The author prepares a document and submits it to a primary publisher (book or journal). The primary publisher has it evaluated and, if the document is accepted, publishes it in print form. The document is then acquired by secondary publishers and libraries. The secondary publisher indexes and/or abstracts the document and incorporates it in an A & I publication. The publication is generally produced from a computer-readable tape and both the tape version and print copy (full size or microform) version of the A & I publication are made available (purchase, lease or license) to libraries and on-line vendors (tertiary publishers). The on-line vendors make the information publicly available to users"* (See diagram 1)

Data Base Services

In the U.S., there are currently five major vendors of on-line bibliographic services. These vendors purchase the machine readable tapes produced by the A& I publishers; software is then developed which permits on-line access to each data base file. A vendor's search services are available to anyone with a terminal which meets the requirements of that on-line system. However, due to the cost of purchasing or leasing a terminal, it is generally an information-based organization, such as a research center or library, which establishes a contractual relationship with a vendor or vendors. The library, for example, then is able to search the data bases directly by means of its own terminal. Just as the vendor charges the library for its services, the latter usually requires that the individual user pay a fee which will include a service charge as well as computer connect time and off-line printing costs.

*Bulletin of the American Society for Information Science, 1979, 5(3), 27.

Diagram 1


Author
Publisher
Distributor
Libraries
Secondary Publisher
Abstracts & Index
Producers
Computer Readable Tapes Produced
Printed Indexes
Bibliographic Data Base
On-Line Retrieval Vendors e.g. BRS, SDC, Lockheed

Data Base Services (continued)

Most bibliographic search services are offered through the reference department of an academic library. When an individual requests a search, he or she is required to fill out a request form designed to obtain information that can be translated into a search strategy. The latter is the means of accessing the desired references or records within a bibliographic data base.

Data Base Searching

When discussing strategies, it is necessary to have a basic understanding of data base access points. Depending upon the data base being searched, each record contains from 5 to 25 fields of descriptive information such as author, title, organizational source, accession number, index terms, abstract, etc. (See Figure 1). Most information found in these fields is taken directly from the document with the exception of accession number, index terms and abstract. Determining index terms and writing abstracts are activities which require specific training and intellectual skills. Index terms are assigned to a particular document to describe the subject content of that document. The terms may be assigned arbitrarily (using natural language) or taken from a thesaurus. The latter is controlled vocubulary showing hierarchical and syndetic (cross-reference) relationships among the terms. The abstract is a concise statement which summarizes the content of a document, usually in paragraph form.

Although some on-line data bases have multi-field access or search capabilities, most provide access through the index and abstract field. The latter are adaptable to the boolean subject searching technique which is the most effective means of identifying the type of documents desired by a user.

Figure 1

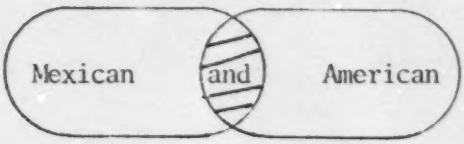
KINDS OF UNIT RECORD FIELDS	SAMPLE RECORD FROM NTIS	COMPLETE FIELD NAMES
nit Record Number assigned by data se owner)	AN - PB-274 762/4SL	Accession Number
asic Citation bibliographic information)	TI - Human Exposure to Lead from Motor Vehicle Emissions AU - Bridbord, Kenneth OS - National Inst. for Occupational Safety and Health, Cincinnati, Ohio PD - Jan. 77; 101p IS - U7805 PR - NTIS Prices: PC A06/MF A01 RN - DHEW/PUB/NIOSH-77/145 CC - 6E; 6J; 6T; 57U; 57Y; 68G; 68A	Title Author Organizational Source Publication Date Issue Price Report Number Category Code
ssigned Index Terms (controlled, atural language, r both)	IT - *Exhaust emissions; *Lead(Metal); *Industrial hygiene; Exposure; Adults; Children; Reviews; Epidemiology; Roads; Contaminants; Toxicology; Public health; Lead poisoning; Air pollution; Combustion products; Absorption(Biology); Environmental surveys; Industrial medicine; Dirt; Dust; Blood ST - *Environmental health; *Air pollution effects(Humans); *Occupational safety and health; Heavy metals; Automobile exhaust; Air pollution control; NTISHEWOSH	Index Terms Supplementary Terms
bstract 9	AB - The current status of the effect of exposure to lead emissions from motor vehicles upon absorption of lead into the body of children and adults is reviewed. The main topics covered are: epidemiologic studies of air lead and blood lead relationships; studies of populations residing near roadways; clinical studies; exposure to lead in dirt and dust; sources of lead in dirt and dust; and health benefits of reducing emissions of lead from motor vehicles. The primary conclusion is that lead emissions from motor...	Abstract 10

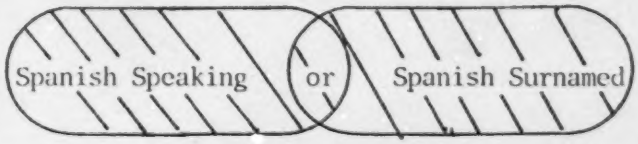
taken from: System Development Corp, SDC Search Service. ORBIT New User Training Manual.

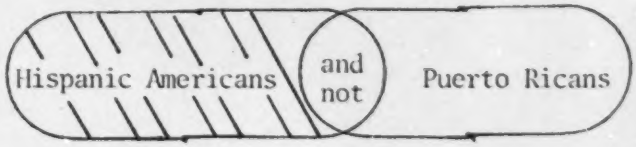
Data Base Searching (continued)

Prior to the search, the librarian translates the user's query into descriptors which are assumed to be contained in the specified fields of the type of documents desired. These descriptors are then formulated into a boolean statement which provides the computer with the logic necessary to search and subsequently retrieve the references to documents that fulfill the request. Relevance of the document to the user's information need is a subjective matter which rests in the user's judgement.

There are three boolean operators; these are: or (1); and (&); and and not (7). The following diagrams provide visualization of the function of these operators.







Data Base Searching (continued)

It should be noted that these diagrams show only the simplest form of boolean logic in subject searching; in actuality, the operators are used in developing complex strategies for more effective searching.

Relevance to Hispanic Studies

Over tha past decade, the bibliographic data base has developed into a sophisticated research tool which largely meets the continually increasing need of the scholarly community to keep abreast of the masses of periodical and technical literature produced worldwide. With respect to Hispanic materials, however, bibliographic data bases suffer from the same bibliographic pitfalls as do the more traditional library catalogs and printed indexes.

Much of the literature by and about Hispanics is produced outside the established publishing industry. Consequently, this information is not controlled by the larger and traditional bibliographic tools, e.g. library catalogs and A & I publications. Moreover, those Hispanic materials which are processed by large bibliographic services tend to be inadequately indexed. There are, however, many Hispanic materials which are scattered throughout many indexes.

The ramifications of this situation on data base searching for Hispanic materials become clear when one takes into consideration the requirements of a successful search. Six factors must be somewhat equal in order to identify documents which match the request: (1) the subject content of the document; (2) subject content of data base; (3) how the indexer perceives and describes, in index terms or descriptors, the subject content of that document; (4) the index terms used to describe the subject content of documents in the system; (5) how a user describes his/her information need; and (6) how an intermediary interprets that need and translates it into index terms or descriptors.

Relevance to Hispanic Studies (continued)

Vocabulary control (factors 3-6) in both indexing and search strategies is critical in data base searching of Hispanic materials. In any given search, disparity between factors two through six will result in low retrieval relevance for the user. Past personal experience has shown that individuals (usually an intermediary) researching Hispanic related topics on bibliographic data bases must be aware of and capable of circumventing the problems of vocabulary. Moreover, the user must be assertive when describing his or her information needs and requirements to the searcher who will acutally formulate the strategy (factor 5). Inadequate vocabulary search terms and strategy resulting from passive interaction with a searcher who is not familiar with Hispanic related issues or materials will provide the user with either too many irrelevant references or too few relevant ones at too great a cost (factors 5 & 6). Data Base selection is also critically important, since, as was previously mentioned, Hispanic literature can be found in many indexes. In their article "The Importance of SDI** for Current Awareness in Fields with Severe Scatter of Information" Katherine Packer and Dagobert Soergel found that "keeping up to date is more difficult in specialties with high scatter of information." They go on to say that "SDI services should concentrate efforts on serving scientists in specialties with high scatter of information by developing systems that are capable of searching across conventional disciplines and specialties, by providing assistance in profile development and by conducting a mardeting campaign directed toward these scientists." ASIS, Vol. 30, No. 3, (May 1979) pp. 126. ** (Selective Dissemination of data bases) These findings are highly relevant because they suggest that access to Hispanic Studies can be imporved by the use of SDI. Packer's and Soergel's recognition of the need to develop service systems that are capable of searching across conventional disciplines and assistance in the profile development are also applicable to the

Relevance to Hispanic Studies (contiuned)

Hispanic experience. In the field of Women Studies the Women's Educational Equity Communications Networks WEECN data base has been developed in response to the need to draw relevant information from many sources. However, as preliminary steps this project had to identify relevant data bases and search strategies for accessing information from these data bases. In order to determine which data bases were relevant for Hispanic Studies 35 data bases were identified using William and Rouse's Computer Readable Data Bases: A Directory and Data Sourcebook, Orbit Users Manual and Dialog Users Manual. The candidate data bases were then searched using terms which are often used to describe the Hispanic population in the U.S The results from these preliminary searches are listed in appendix A. Besides being a crude indicator of which data bases contained information on Hispanics the searches also indicate what the preferred terms are within the data bases. During the second stage a sample of three data bases was randomly searched to see what percentage of the initial postings were relevant for Hispanic Studies (appendix B). This allowed us to estimate that 58% of the postings in any given data base using our Hispanic population terms would be relevant. Chart A provides a summary of this information along with other important variables of each data base. Based on these estimates there are between 16 and 23 thousand relevant documents that can be retrieved from these bibliographic data bases.

This chart then allows potential users to select appropriate data bases. The subject description of the data base in appendix C will also be crucial in determining which data base to search (although some medical related documents may be found in a social science data base).

Name	Date	Size	Postings	Relevant Items	% of postings	% of data base	Vocabulary	Retrieval System
ERIC	1966	352,000	7324	4248	58	1	ERIC Thesaurus	BRS Dialog Orbit
Libcon	1500's		5716	1277	47		LC Subject Heading list	Orbit
CAB	1973	690,000	2406	1396	58	.2	----------	Dialog
CDI	1861	611,000	2789	1757	63	.3	----------	BRS Dialog Orbit
SSCI	1971	608,000	2179	1264	58	.2	----------	Dialog BRS
America History & Life	1954	53,500	1994	1157	58	.2	printed index	Dialog
MLA	----	------	1926	1117	58		printed index	Dialog
Agricol/ Cain	1970	1,080,000	1556	902	58	.08	Thesaurus of Agricultural Terms	Dialog BRS Orbit
Psych Abstracts	1967	262,500	1526	885	58	.3	Thesaurus of Psychological Terms	BRS Dialog
PAIS	1976	100,000	1118	648	56	.6	PAIS Master Record, headings	Dialog
SSIE	last 24 months	200,000	1277	805	63	.4	SSIE Alphabetical subject terms and synomyms and cross references	Dialog Orbit
Language & Language Behavior Abstracts	1965	50,000	886	514	56	1	LLBA Users Manual	Dialog
BIOSIS	1969	2,800,000	810	470	58	.02	BIOSIS Search Guide	BRS Orbit Dialog
CIS	1970	245,000	756	438	58	.2	printed index	Dialog Orbit

Name	Date	Size	Postings	Relevant Items	% of postings	% of data base	Vocabulary	Retrieval System
ASI	1973	47,550	715	415	56	.9	printed index	Orbit
U.S. Political Science Documents	1975		532	308	58	--	----------	Dialog
Medline	1974	2,880,00	515	299	58	.01	MESH	BRS
NTIS	1964	600,000	505	293	58	.05	many Thesauri mostly test for Hispanic items	BRS Dialog Orbit
CRECORD	1976	160,000	443	257	58	.2	----------	Orbit
Exceptional Child Abstracts	1966	31,400	325	189	58	.5	ERIC Thesaurus	BRS Dialog
NICEM	1913	300,000	295	171	58	.05	NICEM Thesaurus	Dialog
Inform	1971	92,300	275	160	58	.2	----------	BRS Kialog Orbit
FSTA	1969	168,500	263	153	58	.09	FSTA Thesaurus	Dialog Orbit
CRIS	1969	30,000	170	99	58	.3	Various	Dialog
Enviroline	1971	71,600	143	83	58	.1	Enviroline Users Manual	Dialog
LISA	1969	45,000	95	55	58	.1	LISA faceted classification system	Orbit
Federal Register	1976	195,000	69	40	58	.02	PTS Thesauri	Dialog Orbit
Art	1973	42,000	65	38	58	.09	----------	Dialog
Aim	1967	21,400	60	35	58	.2	----------	Dialog
Drug	1968	550,000	33	19	58	.003	Drug Info/Alchol use-Abus Thesaurus	BRS

Name	Date	Size	Positings	Relevant Items	% of postings	% of data base	Vocabulary	Retrieval System
Grants	1973	7,000	8	16	58	.003	----------	BRS Dialog Orbit
Child Abuse Abstracts	1965	7,000	16	9	58	.1	Child Neglect & Abuse Thesaurus	Dialog
Foundation Directory	1972	2,500	12	7	58	.3	printed index	Dialog
Pollution Abstracts	1970	65,000	9	5	58	.008	Master list of keywords for Pollution Abstracts	Orbit BRS Dialog
PTS Domestic Statistics	1960	157,000	3	2	58	.001	PTS Thesauri	Dialog

Process for Searching Data Bases

Searching commercially available on-line data bases can be undertaken directly by a Hispanic Consortium or indirectly through library and information reference service centers listed in the Director of ERIC Search Services, Washington, D.C. NIE, November 1978 (issue #3). Searching of those other data bases which are not available from commercial vendors or on-line bibliographic services would be negotiated on an individual basis with the producers of each data base or the organization which provides search services for that data base.

In order to carry out direct on-line searching of commercially available data bases, a contractual agreement would have to be made between the Hispanic Consortium or its members and one or more vendors. The commercial on-line data bases are available through either Systems Development Corporation (Santa Monica), Lockheed Information System (Palo Alto), or Bibliographic Retrieval Services (New York). These vendors generally do not charge a subscription fee. The Hispanic Consortium would be required to pay for the actual time spent searching (computer connect time) and off-line printing costs. Additionally, the Hispanic Consortium must have an on-line terminal which meets the characteristic requirements of the on-line system(s) For example, SDC's requirements are met by the Texas Instrument, OMNI 820, KSR terminal (see A-pendix III). Such a terminal may be purchased for approximately $2200; it may be leased for periods of 90 days, 12 months, 24 months, 36 months or 48 months for monthly rates (including maintenance) of $140, $115, $110, $105 and $100, respectively.

In order to search on-line data bases directly, the Hispanic Consortium must have at least one employee trained by the vendor(s). SDC, for example provides new users with one and one half days of training and orientation for a fee of $65. Among other skills, this intensive, hands-on training cover searching, printing, basic commands and error correction. One half day of advanced training is offered by SDC for $35.

Process for Searching Data Bases (continued)

To summarize, in order to undertake direct searching of commercially available data bases, the Hispanic Consortium must:

1) Make a contractual agreement with the vendor(s)
2) Train individual(s) in searching technique
3) Purchase or lease an on-line terminal

If direct searching was authorized by the project administration, the employee(s) would first be trained and a terminal acquired. Next, the trained employee(s) would research and formulate strategies for each data base selected for searching. During the actual search, such strategies could be modified if necessary. Other project staff could participate in the search as well. The results of the completed searches would be printed off-line by the vendor and sent by mail to the Consortium.

The advantages of direct searching relate to effectiveness. Training a Hispanic Consortium member would allow that person to utilize his or her subject and/or bibliography project expertise in the formulation of strategies and searching. Such expertise would considerabley increase precision in searching. Additionally, the formulation of effective strategies would provide input for SDI services. SDI (selective dissemination of information) is a current awareness service in which a strategy is formulated and a retrospective search completed on a given data base. The strategy is then 'saved' by the computer. Each time a data base is updated with new citations (e.g., weekly, monthly, quarterly) the computer runs a search using the saved stretegy. SDI services provide the user with a continual update of relevant references for a nominal fee. Many Hispanic bibliographic projects currently receive SDI service from the various data bases. This would be an excellent method of disseminating current information to Hispanic Consortium members and graduate students as well as being a cost effective alternative to searching a single data base at haphazard time intervals in order to acquire relevant input for the Hispanic data base.

Process for Searching Data Bases (continued)

With respect to costs, direct searching eliminates the service fee paid to intermediary search services. The principle disadvantage of direct searching involves the cost of purchasing or leasing a terminal as well as user training.

Indirect searching involves interaction with computerized library and information reference services. To obtain services, as previously descrived, the user must fill in a request from which the librarian (searcher) translates a search strategy. Usually the searcher will run the search on his or her own time without the user present. The user pays for the search (service fee, computer connect time and off-line printing) when the printout is picked up at the library, usually 7 to 10 days later.

The advantage to indirect searching through an intermediary is that the user does not have to be concerned with vendor agreements, terminal leasing or search training and the concomitant costs. The disadvantage of using intermediary search services is that the strategy is formulated by someone other than project staff. It is unlikely that the searcher would be able to formulate an effective strategy without a great deal of input from the user; additionally, without the user being present during the search, the strategy could not be effectively modified. Moreover, without the searcher being familiar with Hispanic materials, such access problems would become more pronounced. Previous experience has demonstrated that successful utilization of intermediary services requires user participation in developing the strategy and during the search itself. Nevertheless, such participation is not actively encourage by intermediary search services.

Recommendations

Long Term:

The survey of Hispanic bibliographic projects documented that several bibliogrpahic projects have identified and processed many of the same materials that exist in bibliographic data bases. These projects however have not systematically identified all relevant information from the sources that produce the data bases. The Hispanic Consortium should utilize bibliographic data bases for two reasons. First, these data bases can be used to supplement existing collections in Hispanic bibliographic projects. Secondly, data bases often provide substantially more information for each entry such as, abstracts. Additionally, since this information is already in machine readable form it will be possible to create a secondary data base (similar to the WEECN Data Base) with a minimum duplication of effort. Monthly SDI service should be initiated with data bases containing 800 or more relevant citations. Biannual SDI service should be initiated for data bases containing between 100 and 800 relevant items. Annual searches should be conducted on all remaining data bases.

The Hispanic Consortium should decide what data bases each Hispanic bibliographic project will systematically search. The result should then be shared with the rest of the consortium. Search strategies (profile development) should also be formulated and shared with consortium members.

Appendix A

Included are the postings for thirty-five data bases which were searched using Hispanic key terms. Data bases which were not initially searched but which may include relevant information include: Sociological Abstracts, Mental Health Information, NCJRS, Popinform, Labordoc, Juris and New York Times Information Bank.

Key terms which were not used but which may be useful are: Spanish Heritage Americans, Spanish Americans, Spanish Origin and Mexicans in the U.S.

APPENDIX A

	ERIC	CAB	CDI	SSCI	America	MLA BIB	Agricola	Psych Abs	PAIS
Chicano	813	0	116	87	141	54	16	143	9
Hispanic	406	128	147	497	86	161	65	36	12
Pocho	2	0	1	0	0	0	0	0	0
Mexican American(s)	3109	50	484	0	511	31	110	772	15
Hispano American(s)	33	0	5	0	2	0	0	1	0
Manito	0	0	1	0	0	0	0	0	0
Latin	1749	1801	1097	1442	626	1647	1196	268	960
Raza	70	111	6	1	14	4	4	2	1
Spanish surnamed	240	0	37	0	7	0	1	51	2
Spanish speaking	2461	9	106	0	36	7	15	126	3
Latino Americano	0	2	0	0	0	0	2	0	3
Puerto Rican	687	147	213	0	168	14	73/2	246/69	21
Cuban	135	168	113	68	192	11	86	52	36
Cuban	166	197	146	84	201	22	97	56	54
Boriqua	0	0	0	0	0	0	0	0	0
Boriqueno	0	0	0	0	0	0	0	0	0
Puertorriqueno	2	0	2	1	3	3	0	0	2
Nuyorican	0	0	0	0	0	1	0	0	0
Cuban American(s)	75	0	16	0	7	1	0	0	0
	7324	2406	2340	2179	1994	1926	1556	1526	1118

Note: Data Bases are arranged with those with the largest posting first, those with the least last.

* Lib/Con should be listed second. It is on page

	SSIE	Lang	BIOSIS	CIS	ASI	U.S. Pol. Sci. Doc.	MESH	NTIS	Crecord
Chicano	124	46	6	30	5	54	9	26	1
Hispanic	103	76	295	42	64	6	59	16	63
Pocho	0	0	0	0	0	0	0	0	0
Mexican American(s)	195	148	50	130	91	90	0	85	17
Hispano American(s)	5	5	0	1	0	0	49	0	0
Manito	0	0	0	0	0	0	0	299	0
Latin	413	422	226	366	336	407	280	0	165
Raza	2	0	0	34	2	0	35	23	1
Spanish surnamed	19	5	1	36	172	7	4	43	1
Spanish speaking	99	101	2	181	57	1	10	0	10
Latino Americano	0	0	0	0	0	0	1	15	0
Puerto Rican	117	46	50	66	86	8/38	0	11	34/5
Cuban	38	16	116	106	34	46	33	20	153
Cuban	61	17	173	108	37	47	35	0	159
Boriqua	0	0	0	0	0	0	0	0	0
Boriqueno	0	0	0	0	0	0	0	0	0
Puertorriqueno	0	0	0	1	0	0	0	0	0
Nuyorican	0	0	0	0	0	0	0	0	0
Cuban American(s)	12	4	2	39	21	16	0	1	14
	1051	886	810	756	715	532	515	505	443

	Excep	NICEM	Inform	FSTA	CRIS	Enviro Line	Lisa	Fed Reg	Art	AIM
Chicano	37	8	15	1	10	1	6	0	6	4
Hispanic	7	10	15	1	7	0	4	11	11	0
Pocho	0	0	0	0	0	0	0	0	0	0
Mexican American(s)	240	53	31	15	39	5	7	3	4	32
Hispano American(s)	1	0	0	0	0	0	0	0	0	0
Manito	0	0	0	0	0	0	0	0	0	0
Latin	34	106	172	177	105	127	72	33	28	6
Raza	1	1	0	0	0	0	1	0	2	0
Spanish surnamed	13	0	5	0	1	0	0	0	0	2
Spanish speaking	90	37	12	1	3	1	9	2	0	7
Latino Americano	0	0	0	0	0	0	0	0	1	0
Puerto Rican	70	41	21/4	16/1	22	7	2/1	8	7	6
Cuban	6	19	24	54	8	3	4	11	9	1
Cuban	7	19	26	56	9	3	6	12	10	2
Boriqua	0	0	0	0	0	0	0	0	0	0
Boriqueno	0	0	0	0	0	0	0	0	0	0
Puertorriqueno	0	1	0	0	0	0	0	0	0	0
Nuyorican	0	0	0	0	0	0	0	0	0	0
Cuban American(s)	2	0	9	2	0	0	0	0	0	0
	325	295	275	263	170	143	95	69	65	60

	DRUG	Lib/ Con	Grants	Child Abuse	Foundation Dir.	Pollution	PTS U.S. STAT ABST
Chicano	30	243	2	4	0	0	0
Hispanic	1	183	3	2	0	0	2
Pocho	0	0	0	0	0	0	0
Mexican American(s)	-	612	4	9	0	0	0
Hispano American(s)	0	8	0	0	0	0	0
Manito	0	0	0	0	0	0	0
Latin	1	3776	19	0	10	6	1
Raza	0	56	0	0	0	0	0
Spanish surnamed	0	13	0	0	0	0	0
Spanish speaking	0	89	1	4	0	0	0
Latino Americano	0	3	0	0	0	0	0
Puerto Rican	1	154/170	3/2	5	0	3	0
Cuban	0	173	1	0	1	0	0
Cuban	0	186	1	0	1	0	0
Boriqua	0	0	0	0	0	0	0
Boriqueno	0	0	0	0	0	0	0
Puertorriqueno	0	1	0	0	0	0	0
Nuyorican	0	0	0	0	0	0	0
Cuban American(s)	0	32	1	0	0	0	0
	33	5128	28	16	12	9	3

APPENDIX B

CDI

Terms	Total Number of Postings	Searches	Relevant Documents	Percentage
Chicano	126	10	10	100
Hispanic	153	10	4	40
Pocho	1	1	1	100
Mexican American #	498	22	22	100
Hispano American #	5	5	2	40
Manito	1	1	1	100
Latin	1113	28	1	3.5
Raza	8	8	6	75
Spanish surnamed	26	8	8	100
Spanish speaking	111	9	9	100
Latino Americano	0	0	0	
Latin # American # (this was extra search)	249	11	0	
Puerto Rican	219	11	5	45
Cuban	114	10	2	20
Cuban	147	12	2	16
Boriqua	0	0	0	
Boriqueno	0	0	0	
Puertorriqueno	2	2	1	50
Nuyorican	0	0	0	
Cuban American #	16	10	5	50
				63%

LIBCON

Terms	Total Number of Postings	Searches	Relevant Documents	Percentage
Chicano	245	19	18	94
Hispanic	191	15	7	47
Pocho	0	0	0	--
Mexican American #	633	13	13	100
Hispano American #	9	9	4	44
Manito	0	0	0	--
Latin	3884	22	0	0
Raza	63	17	5	29
Spanish surnamed	5	5	5	100
Spanish speaking	92	9	8	89
Latino Americano	5	5	0	0
Puerto Rican	171	10	10	100
Cuban	184	11	1	9
Cuban	197	12	1	8
Boriqua	0	0	0	0
Boriqueno	0	0	0	0
Puertorriqueno	2	2	0	0
Nuyorican	0	0	0	0
Cuban American #	35	8	2	25
				47%

SSIE

Terms	Total Number of Postings	Searches	Relevant Documents	Percentage
Chicano	132	12	11	92
Hispanic	120	9	7	78
Pocho	0	0	0	0
Mexican American #	207	17	15	88
Hispano American #	5	5	2	40
Manito	0	0	0	0
Latino	432	15	0	0
Raza	2	2	2	100
Spanish surnamed	14	14	11	79
Spanish speaking	106	10	10	100
Latino American	0	0	0	0
Puerto Rican	131	13	7	54
Cuban	44	7	2	29
Cuban	70	18	7	39
Boriqua	0	0	0	0
Boriqueno	0	0	0	0
Puertorriqueno	0	0	0	0
Nuyorican	0	0	0	0
Cuban American #	14	14	8	57
				63%

Appendix C

Included are alphabetically arranged short descriptions of each data base.

Retrieval Services listed:

Bibliographic Retrieval Services
BRS
Bldg. 702
Corporation Park
Scotia, New York 12302
(518) 374-5011

Lockheed
Dialog
3251 Hanover Street
Palo Alto, California 94304
(415) 473-4411

System Development Corporation
Orbit
SDC Search Service
2500 Colorado Ave.
Santa Monica, California 90406
(213) 829-7511

AGRICOLA/CAIN

Full Name: Agricola/Cataloguing and Indexing

Time Span Covered by Data Base: 01/70 to present

Correspondence with printed source:

1. National Agriculture Library Catalog
2. Bibliography of Agriculture, 1970-1974

Subject Category: Multi-disciplinary

Subject Matter and Scope:

Covers worldwide journal and monographic literature and U.S. government reports in agriculture and related subject fields including general agriculture and rural sociology, agricultural economics, consumer protection and human nutrition, etc. Includes abstract

Document types

90% journal articles (of these 60% are in English)

10% monographs, published proceedings, theses, etc.

100% Total

Indexing

Enriched titles

Controlled keywords (from Thesaurus of Agricultural Terms)

Subject headings

On-line searching available from:

BRS; Lockheed: SDC

Cost: (SDC) $25/computer connect hour
0.06/citation for off-line printing

(Lockheed) $25/computer connect hour
0.05/citation for off-line printing

(BRS) $25/computer connect hour
0.02/citation for off-line printing

AHI

Full Name: America: History and Life

Time Span Covered by Data Base: 01/54 to present

Correspondence with printed source:

America: History and Life, 1954 +

Subject Category: History

Subject Matter and Scope:

Abstracts of articles on United States and Canadian history and culture from prehistoric times to the present.

Document types

90% journal articles (of these 90% are in English)

06% book review citations

04% Doctoral dissertation citations from Dissertation Abstracts International and other lists of dissertations

100% Total

Indexing

Uncontrolled keywords

Controlled keywords (from thesaurus)

Subject headings

Subject coding/classification scheme: own chronological/subject

On-line searching available from: Lockheed

Cost: $65/computer connect hour

0.15/citation for off-line printing

AIM/ARM

Full Name: Abstracts of Instructional and Research Materials in Vocational and Technical Education

Former Name: Abstracts of Instructional Materials in Vocational and Technical Education and Abstracts of Research Materials in Vocational and Technical Education

Time Span Covered by Data Base: 01/67 to present

Correspondence with printed source:

Abstracts of Instructional and Research Materials in Vocational and Technical Education, 1967 +

Subject Category: Education

Subject Matter and Scope:

Coverage of the literature concerning vocational and technical education instructional and research materials

Document Types

50% government reports/documents

05% monographs, published proceedings, theses, etc.

05% preprints, papers presented at conferences

40% curriculum materials, educational legislation

100% Total

Indexing

Uncontrolled keywords

Controlled keywords (from thesaurus)

On-line searching available from:

Lockheed

Cost: (Lockheed) $25/computer connect hour
0.10/citation for off-line printing

Artbibliographies Modern

Time Span Covered by Data Base: 07/73 to present

Correspondence with printed source:

Artbibliographies Modern, vol.5, 1974 +

Subject Category: (Architecture and Design); Arts; History

Subject Matter and Scope:

Covers publications in the field of modern art and design in the period of 1800 to the present

Document Types

78% journal articles (of these 65% are in English)

10% monographs, published proceedings, theses, etc.

12% exhibition catalogs

100% Total

Indexing

Subject coding/classification scheme: Alphabetical sequence merging subjects and artists

On-line searching available from: Lockheed

Cost: $60/computer connect hour

0.15/citation for off-line printing

ASI

Full Name: American Statistical Index

Time Span Covered by Data Base: 01/73 to present

Correspondence with printed source:

1. American Statistical Index/current monthly issues
2. American Statistical Index/ 1974 annual and retrospective edition
3. American Statistical Index/First Annual Supplement
4. American Statistical Index/Second Annual Supplement

Subject Category: Multi-disciplinary including social sciences

Subject Matter and Scope:

Detailed indexing and lengthy abstracts of statistical data published yearly by the Federal Government on a wide variety of topics with heavy concentration on environmental, economic and social subjects. Data is gathered from over 400 different sources including major federal agencies, congressional committees, special board and commissions as reported in over 7000 publications, e.g. periodicals, reports, surveys, annuals, etc.

Document types

100% government reports (included in this category are monographs, published proceedings and news releases from press reports).

Indexing

Uncontrolled keywords

Controlled keywords (from thesaurus)

Short phrases or word strings describing content

On-line searching available from: SDC

Cost: $90/computer connect hour

0.25/citation for off-line printing

BIOSIS Previews

Former Name: BA Previews

Time Span Covered by Data Base: 1969 to present

Correspondence with printed source:

1. Biological Abstracts
2. Bio Research Index

Subject Category: Agriculture and Agricultural Engineering; Environment; Food Science; Life Sciences; Medicine

Subject Matter and Scope:

Entire life sciences including microbiology, plant and animal sciences, experimental medicine, agriculture, pharmacology, ecology, biochemistry, bioengineering, biophysics

Document Types

94.8% journal articles (of these 60% are in English)
0.2% government reports/documents
5.0% monographs, published proceedings, theses, etc.
100.0% Total

Indexing

Enriched titles

Uncontrolled keywords

Subject headings

Subject coding/classification scheme: Bio Systematic Code

Chemical identifiers (nomenclature codes, notations, fragmentation schemes): Chemical name from source of data

On-line searching available from: BRS; Lockheed SDC

Cost: (Lockheed) $45/computer connect hour
0.10/citation for off-line printing

(BRS) $40/computer connect hour
0.02/citation for off-line printing

(SDC) $65/computer connect hour
0.10/citation for off-line printing

CAB System

Full Name: Commonwealth Agricultural Bureaux System

Time Span Covered by Data Base: 01/73 to present

Subject Category: Agriculture and Agricultural Engineering; Life Sciences; Medicine

Subject Matter and Scope:

Comprehensive coverage of the literature related to the agricultural sciences

Document types

% journal articles

Indexing

Subject headings

On-line searching available from: Lockheed

Cost: $65/computer connect hour
0.15/citation for off-line printing

CDI

Full Name: Comprehensive Dissertation Index

Time Span Covered by Data Base: 1757 to present

Correspondence with printed sources:

1. Dissertation Abstracts International
2. American Doctoral Dissertations

Subject Category: Multi-disciplinary including all Social and Behavioral Sciences

Subject Matter and Scope:

Citations of doctoral dissertations for degrees granted from 1757 to present in the U.S. and Canada. No abstract.

Document types

100% monographs, published proceedings, theses, etc.

Indexing

Controlled keywords (from thesaurus)

Subject headings

Subject coding/classification scheme: American Research Libraries

On-line searching available from:

BRS; Lockheed; SDC

Cost: (SDC) $55/ computer connect hour
0.12/citation for off-line printing

(BRS)$35.50/computer connect hour
0.02/citation for off-line printing

CIS/Index

Full Name: Congressional Information Service/Index to Congressional Publications and Public Laws

Time Span Covered by Data Base: 01/70 to present

Correspondence with printed sources:

1. CIS current monthly issues of the Index to Congressional Publications and Public Laws
2. CIS/Annual, 1975 +
3. CIS/5 Year Cumulative Index, 1970-74

Subject category: Multi-disciplinary including Education and Social Sciences

Subject Matter and Scope:

Detailed index and lengthy abstracts of every significant publication issued by nearly 300 House, Senate and Joint Committees and Sub-Committees of Congress. Almost every topic of interest to the U.S. in formulating legislation is correct: U.S. society, economy, industry, technology, education, health, and welfare.

Document types

100% government report/documents

Indexing

Uncontrolled keywords

Controlled keywords (from thesaurus)

Short phrases or strings describing content

On-line searching available from: SDC

Cost: $100/computer connect hour

0.25/citation for off-line printing

CRECORD

Full Name: Congressional Record Abstracts

Time Span Covered by Data Base: 01/76 to present

Correspondence with printed source:

1. CSI Congressional Record Abstracts Master Edition
2. CSI Reports - Custom built SDI reports
3. CSI Congressional Record Abstracts Editions:
   (a) Defense; (b) Foreign Affairs; (c) Economy; (d) Energy; (e) Health, Education and Welfare

Subject Category: Multi-disciplinary

Subject Matter and Scope:

Provides comprehensive coverage of the Congressional Record, the official journal of proceedings of the United States Congress, and contains references to: bills and resolutions, amendments to bills and resolutions, committee and sub-committee reports, legislation recently signed into law (Public Laws), floor actions, schedules of committee and floor activities, executive communications, speeches, participation in debates, and inserted materials by members of Congress.

Document Types

100% Congressional Record

Indexing

Uncontrolled keywords

Subject headings

Subject coding/classification scheme: own codes

Chemical identifiers (nomenclature codes, notations, fragmentation schemes): chemical name from source of data

On-line searching available from: SDC

Cost: $80/computer connect hour

0.15/citation for off-line printing

CRIS

Full Name: Current Research Information System

Time Span Covered by Data Base: 01/67 to present

Correspondence with printed source: None

Subject Category: Agriculture and Agricultural Engineering; (Chemistry and Chemical Engineering); Current Research Projects; General Science and Technology

Subject Matter and Scope:

Coverage of the current projects on the research programs of the USDA, State Agricultural Experiment Stations, and other cooperating institutions.

(NOTE: Information sources stem from six USDA agencies: Agricultural Research Service, Forest Service, Economic Research Service, Cooperative State Research Service, Farmer Cooperative Service, and Statistical Reporting Service; 53 State Agricultural Experiment Stations and Forestry Schools; and 25 other cooperating State institutions.)

Document Types

100% research work unit (project) descriptions

Indexing

Controlled keywords (from thesaurus)

Subject coding/classification scheme: Manual of Classification of Agricultural and Forestry Research

Chemical identifiers (nomenclature codes, notations, fragmentation schemes): chemical name from source of data

On-line searching available from: Lockheed

Cost: $40/computer connect hour

0.10/citation for off-line printing

Domestic Statistics

Time Span Covered by Data Base: 01/60 to present

Correspondence with printed source:

1. Predicasts' Composites, 1960 +
2. Predicasts' Basebook, 1960 +
3. Predicasts' Statistical Abstracts, 1971 +

Subject Category: Business, Economics and Management

Subject Matter and Scope:

Published forecasts with historical data for the U.S. covering general economics, all industries, detailed products, and end-use data

Document Types

90% journal articles (of these 90% are in English)

10% government reports/documents

100% Total

Indexing

Controlled keywords (from PTS Thesaurus)

On-line searching available from: Lockheed

Cost: $90/computer connect hour

0.20/citation for off-line printing

Drug Info/Alcohol Abuse

Time Span Covered by Data Base: 09/68 to present

Correspondence with printed source:

1. Durg Literature Index
2. Adverse Reactions Titles

Subject Category: Chemistry and Chemical Engineering; Life Sciences; Medicine

Subject Matter and Scope:

International coverage of the literature on biological effects of chemical compounds, particularly drugs and potential drugs

Document Types

93% journal articles

01% government reports/documents

05% monographs, published proceedings, theses, etc.

01% preprints, papers presented at conferences

100% Total

Indexing

Uncontrolled keywords

Controlled keywords (from thesaurus)

Subject headings

Subject coding/classification scheme: EMCLASS

Chemical identifiers (nomenclature codes, notations, fragmentation schemes):

chemical name from source of data
synonyms
(NOTE: Marler's Pharm-Chem Synonyms)
Trade name(s)
Wiswesser Linear Notation

On-line searching available from: BRS

Cost: $5.00/computer connect hour

0.05/citation for off-line printing

ECER

Full Name: Exceptional Child Education Abstracts

Time Span Covered by Data Base: 01/66 to present

Correspondence with printed sources:

Exceptional Child Education Abstracts

Subject category: Education (Psychology)

Subject Matter and Scope:

Education of handicapped and gifted children, English language printed documents. Includes abstracts.

Document Types

journal articles

government reports/documents

monographs, published proceedings, theses, etc.

preprints, conference papers

Indexing

Controlled keywords (from ERIC Thesaurus)

Uncontrolled keywords

On-line searching available from: BRS, Lockheed

Cost: (Lockheed) $25/computer connect hour

0.10/citation for off-line printing

(BRS) $30/computer connect hour

0.03/citation for off-line printing

Enviroline/ESI

Full Name: Environmental Science Index

Time Span Covered by Data Base: 01/71 to present

Correspondence with printed sources:

Environment Abstracts

Subject Category: Energy; Environment

Subject Matter and Scope:

Covers the literature of environmental planning

Document Types

70% journal articles

15% government reports/documents

12% monographs, published proceedings, theses, etc.

03% Congressional hearing transcripts, environmental project reports, and newspaper articles

Indexing

Controlled keywords (from thesaurus)

Subject headings

Chemical identifiers (nomenclature codes, notations, fragmentation schemes): chemical name from source of data

On-line searching available from: Lockheed, SDC

Cost: (SDC, Lockheed) $90/computer connect hour

0.20/citation for off-line printing

ERIC

Full Name: Educational Resources Information Center

(NOTE: This data base consists of two main files: Resources in Education (RIE) and Current Index to Journals in Education (CIJE))

Time Span Covered by Data Base: RIE - 01/66 to present; CIJE - 01/69 to present

Correspondence with printed source:

1. Resources in Education, 1975 +
2. Research in Education, 1966 - 1974
3. Current Index to Journals in Education, 1969 +

Subject Category: Communications; Education; Information Science

Subject Matter and Scope:

RIE - Reports filed by contractors and grantees on the results of funded educational research, curriculum materials, other education-related materials.

CIJE - Resumes of journal articles dealing with education and curriculum materials.

Document Types

CIJE: 100% journal articles

RIE: 32% government reports/documents

14% monographs, published proceedings, theses, etc.

19% preprints, papers presented at conferences

35% curriculum materials, educational legislation, U.N. documents, statistical compilations, bibliographies, speeches, project descriptions, theses, proceedings, annual reports, directories, conference papers, and other information

100% Total

Indexing

Uncontrolled keywords

Controlled keywords (form ERIC Thesaurus)

On-line searching available from: BRS; Lockheed, SDC

Cost: (Lockheed) $25/computer connect hour
0.10/citation for off-line printing

(SDC) $35/computer connect hour
0.08/citation for off-line printing

(BRS) $25/computer connect hour
0.02/citation for off-line printing

Federal Index/Register

Time Span Covered by Data Base: 10/76 to present

Correspondence with printed source:

Federal Index, October 1976

Subject Category: Multi-disciplinary

Subject Matter and Scope:

Covers proposed rules, regulations, bill introductions, speeches, hearings, roll calls, reports, vetoes, court decisions, executive orders, contract awards as covered in Congressional Record, Federal Register, Presidential Documents, Commerce Business Daily, Washington Post and citations to the Code of Federal Regulations, the United States Code, House and Senate Bills, and other federal documents

Document Types

80% government reports/documents

20% news items from releases, press reports, broadcasts, etc.

100% Total

Indexing

Controlled keywords (from PTS Thesaurus)

Subject coding/classification scheme: U.S. Standard Industrial Classification Codes (SIC)

On-line searching available from: Lockheed; SDC

Cost: (Lockheed) $90/computer connect hour

0.20/citation for off-line printing

(SDC) $80/computer connect hour

0.15/citation for off-line printing

FNDAT

Full Name: Foundation Directory

Time Span Covered by Data Base: 01/72 to present

Correspondence with printed source:

Foundation Directory

Subject Category: Business, Economics and Management

Subject Matter and Scope: Private foundation entity data for foundations with assets of $1 million or more

Indexing

Uncontrolled keywords

On-line searching available from:

Producer - (NOTE: The Foundation Center provides exclusive access to the FNDAT data base via the ARAP computer facility); Lockheed

Cost: (Lockheed) $60/computer connect hour

0.30/citation for off-line printing

FSTA

Full Name: Food Science and Technology Abstracts

Time Span Covered by Data Base: 01/69 to present

Correspondence with printed source:

Food Science and Technology Abstracts

Subject Category: Agriculture and Agricultural Engineering; Chemistry and Chemical Engineering; Food Science; Home Economics, Patents

Subject Matter and Scope: Food science and technology

Document Types

85% journal articles (of these 50% are in English)

10% patents (of these 25% are USA patents)

05% monographs, published proceedings, theses, etc.

100% Total

Indexing

Enriched titles

Controlled keywords (from thesaurus)

Subject coding/classification scheme: IFIS own subject classification code

Chemical identifiers (nomenclature codes, notations, fragmentation schemes): chemical name from source of data

On-line searching available from: SDC; Lockheed

Cost: (Lockheed) $65/computer connect hour

0.15/citation for off-line printing

(SDC) $65/computer connect hour

0.12/citation for off-line printing

GRANTS

Full Name: Foundation Grants Index

Time Span Covered by Data Base: 01/73 to present

Correspondence with printed source:

Foundation Grants Index - Bimonthly and Annual

Subject Category: Business, Economics and Management

Subject Matter and Scope:

Private foundation grant awards for $5,000 or more

Indexing

Uncontrolled keywords
Subject headings
Subject coding/classification scheme: 7 major, 80 minor categories
Short phrases or word strings describing content

On-line searching available from:

Producer - (NOTE: The Foundation Center provides exclusive access to the GRANTS data base via the ARAP computer facility); Lockheed

Cost: (Lockheed) $60/computer connect hour
0.30/citation for off-line printing

(SDC) $60/computer connect hour
0.35/citation for off-line printing

INFORM

Time Span Covered by Data Base: 08/71 to present

Correspondence with printed source: None

Subject Category: Multi-disciplinary

Subject Matter and Scope:

All phases of management and administration with U.S. and international coverage.

Document Types

99.0% journal articles (95% are in English)
0.5% monographs, published proceedings, theses, etc.
0.5% preprints, papers presented at conferences

100 % Total

Indexing

No special subject analysis/indexing data

(NOTE: ABI is in process of formulating indexing to supplement free text searching)

Chemical identifiers (nomenclature codes, notations, fragmentation schemes): chemical name from source of data

On-line searching available from: BRS; Lockheed; ; SDC

Cost: (BRS) $55/computer connect hour
0.05/citation for off-line printing

(Lockheed) $65/computer connect hour
0.12/citation for off-line printing

(SDC) $65/computer connect hour
0.10/citation for off-line printing

LANGUAGE

Full Name: Language and Language Behavior Abstracts

Time Span Covered by Data Base: 01/65 to present

Subject Category: Communications; Social Sciences

On-line searching available from: Lockheed

Cost: $55/computer connect hour

0.15/citation for off-line printing

LIBCON

Full Name: U.S. Library of Congress

Time Span Covered by Data Base: 1968 entry year coverage for MARC records; publication years include pre-20th century materials.

Correspondence with printed source: Portion of the U.S. Library of Congress Catalog (post 1968)

Subject Category: Multi-disciplinary including Psychology and Social Sciences

Subject Matter and Scope: Provides extensive coverage of the monographic literature and some non-print materials catalogued by the U.S. Library of Congress. Covers English language materials, as well as some Romance language materials (including Spanish), in all subject areas. No abstracts.

Document Types

100% monographs, published proceedings

Indexing

Controlled keywords (from L.C. subject heading list)
Uncontrolled keywords

On-line searching available from: SDC

Cost: $120/computer connect hour

0.25/citation for off-line printing

LISA

Full Name: Library and Information Science Abstracts

Time Span Covered by Data Base: 01/69 to present

Correspondence with printed source:

Library and Information Science Abstracts, 1969 +

(NOTE: From 1969-1975 abstracts and classification codes were not included. Beginning with 1976 abstracts and codes will appear on tape and hard copy.)

Subject Category: Information Science

Subject Matter and Scope:

Worldwide coverage of the field of library and information science, including generation, processing, storage, retrieval, and reproduction of information in both hard copy, microform and computer readable form.

Document Types

80% journal articles (of these 70% are in English)
05% government reports/documents
05% monographs, published proceedings, theses, etc.
10% preprints, papers presented at conferences
100% Total

Indexing

Uncontrolled keywords
Controlled keywords (from thesaurus)
Subject headings
Subject coding/classification scheme: classification of Library and Information Science
Short phrases or word strings describing content

On-line searching available from: SDC; Lockheed

Cost: (Lockheed) $55/computer connect hour
0.15/citation for off-line printing

(SDC) $50/computer connect hour
0.10/citation for off-line printing

MEDLINE

Full Name: MEDLARS ON-LINE

Time Span Covered by Data Base: 1974 to present

Correspondence with printed source:

Index Medicus (plus recurring bibliographies which are listed in Index Medicus)

Subject Category: Life Sciences; Medicine

Subject Matter and Scope:

Worldwide coverage of the biomedical journal literature

Document Types

99% journal articles (of these 65% are in English)
01% government reports/documents

100% Total

Indexing

Subject headings (MESH)
Subject coding/classification scheme: NLM MESH classification Number
Chemical identifiers (nomenclature codes, notations, fragmentation schemes): chemical name from source of data

On-line searching available from:

Producer, BRS;

Cost: $10/computer connect hour

0.01/citation for off-line printing

MLA

Full Name: Modern Language Association Bibliography

Correspondence with printed source:

Modern Language Association Bibliography

Subject Category: Languages; Literature

Document Types

journal articles

On-line searching available from: Lockheed

Cost: $55/computer connect hour

0.15/citation for off-line printing

NCCAN

Full Name: Child Abuse and Neglect

Time Span Covered by Data Base: 01/65 to present

Correspondence with printed sources:

1. Child Abuse and Neglect Programs
2. Child Abuse and Neglect Research: Projects and Publications

Subject Category: Psychology; Social Sciences

Subject Matter and Scope:

Covers English language publications which address issues related to child abuse and neglect. Research projects and service programs are U.S. only and cover the most current two years. Includes abstract.

Document Types

25% journal articles
05% news items from releases, press reports, broadcasts, etc.
05% monographs, published proceedings, theses, etc.
05% government reports/documents
60% other: current research projects
100% Total

Indexing

Controlled keywords (from Child Neglect and Abuse Thesaurus)

On-line searching available from: Lockheed

Cost: $35/computer connect hour
0.10/citation for off-line printing

NICEM

Full Name: National Information Center for Educational Media

Time Span Covered by Data Base: 1913 to present

Correspondence with printed source:

Subscription series, 14 vols.

Subject Category: Education; Multi-disciplinary

Subject Matter and Scope:

Covers information on non-book educational media: 16mm films; 35mm filmstrips; overhead transparencies; videotapes; audiotapes; phono records; 8mm motion cartridges; slides and slide sets; and planning to cover video-discs.

Document Types

100% non-book educational media

Indexing

Controlled keywords (from NICEM Thesaurus)
Subject coding/classification scheme: own

On-line searching available from: Lockheed

Cost: $70/computer connect hour
0.20/citation for off-line printing

NTIS

Full Name: National Technical Information Service

Time Span Covered by Data Base: 1970 to present

Correspondence with printed source:

1. Weekly Government Abstracts
2. Government Reports Announcements and Index

Subject Category: Multi-disciplinary including Behavioral/Social Sciences

Subject Matter and Scope:

Multi-disciplinary file containing citations to U.S. government sponsored research and development technical reports from 200 federal agencies and some reprints, federally-sponsored translations and foreign language reports in areas of major technical interest. Includes abstracts.

Document Types

84% government reports/documents
16% journal articles (of these 95% are in English)
100% Total

Indexing

Uncontrolled keysords

Controlled keywords (from thesaurus)

Subject coding/classification scheme: COSATI/WGA code

Chemical identifiers (nomenclature codes, notations, fragmentation schemes): chemical name from source of data

On-line searching available from: SDC; BRS; Lockheed

Cost: (SDC) $45/computer connect hour
0.08/citation for off-line printing
(Lockheed) $35/computer connect hour
0.10/citation for off-line printing
(BRS) $31/computer connect hour
0.02/citation for off-line printing

PAIS Bulletin

Full Name: Public Affairs Information Service Bulletin

Time Span Covered by Data Base: 1/76 to present

Correspondence with printed source:

PAIS Bulletin 1976 to present

Subject Category: Multi-disciplinary including Education; Social Sciences

Subject Matter and Scope:

Coverage of English language publications pertaining to the social sciences, economics and public affairs. No abstracts.

Document Types

67% journal articles (of these 100% are in English)
17% government reports/documents
16% monographs, published proceedings, theses, etc.
100% Total

Indexing

Enriched titles
Subject headings

On-line searching available from: Lockheed

Cost: $60/computer connect hour

0.15/citation for off-line printing

PATELL

Full Name: Psychological Abstracts Tape Editions Lease License

Former Name: Psychological Abstracts

Time Span Covered by Data Base: 01/67 to present

Correspondence with printed source:

Psychological Abstracts, 1967 +

Subject Category: Communications; Education; Life Sciences: Medicine: Psychology

Subject Matter and Scope:

Non-evaluative summaries of the world's literature in psychology and other behavorial sciences

Document Types

95 % journal articles (of these 75% are in English)
1.5% government reports/documents
2.5% monographs, published proceedings, theses, etc.
1 % preprints, papers presented at conferences
100 % Total

Indexing

Controlled keywords (from Thesaurus of Psychological Terms)
Subject coding/classification scheme: APA's own
Short phrases or word strings describing content
Chemical identifiers (nomenclature codes, notations, fragmentation schemes): chemical name from source of data

On-line searching available from: BRS; Lockheed

Cost: (Lockheed) $65/computer connect hour
0.10/citation for off-line printing

(BRS) $45/computer connect hour
0.02/citation for off-line printing

(SDC) $50/computer connect hour
0.10/citation for off-line printing

Pollution Abstracts

Time Span Covered by Data Base: 01/70 to present

Correspondence with printed source:

Polution Abstracts, 1970 +

Subject Category: Agriculture and Agricultural Engineering; Environment; Life Sciences: (Nuclear Science)

Subject Matter and Scope:

Worldwide coverage of significant literature on all major pollution-related topics: air pollution, water pollution, solid wastes, noise pollution, pesticides, radiation, and general environmental quality

Document Types

60% journal articles (of these 90% are in English)
20% government reports/documents
10% monographs, published proceedings, these, etc.
05% preprints, papers presented at conferences
05% annual reports, market studies
100% Total

Indexing

Uncontrolled keywords
Controlled keywords (from thesaurus)
Chemical identifiers (nomenclature codes, notations, fragmentation schemes): chemical name from source of data

On-line searching available from: BRS; SDC; Lockheed

Cost: (Lockheed) $75/computer connect hour
0.15/citation for off-line printing

(BRS) $55/computer connect hour
0.05/citation for off-line printing

(SDC) $65/computer connect hour
0.15/citation for off-line printing

SSCI

Full Name: Social Sciences Citation Index

Time Span Covered by Data Base: 01/71 to present

Correspondence with printed source:

Social Science Citation Index, Source, Citation, 1971 +

Subject Category: Multi-disciplinary

Subject Matter and Scope:

Worldwide coverage of the prime journals of social sciences in addition to the related journals of the natural, physical and biomedical sciences.

Document Types

100% journal articles

On-line searching available from: Lockheed; SDC

Cost: (Lockheed) $70/computer connect hour
0.10/citation for off-line printing

(SDC) $35/computer connect hour
0.05/citation for off-line printing

SSIE

Full Name: Smithsonian Science Information Exhcange

Former Names and Acronyms: SIE, Science Information Exchange; BSIE, Biosciences Information Exchange; MSIE, Medical Sciences Information Exchange

Time Span Covered by Data Base: two most recent government fiscal years

Correspondence with printed source:

Notice of Research Project

Subject Category: (Chemistry and Chemical Engineering); Current Research Projects; (General Science and Technology); Multi-disciplinary; Social Sciences

Subject Matter and Scope:

Summary descriptions of research sponsored primarily by the federal government. Also includes research supported by major foundations and fund-raising organizations, and some research sponsored by universities, state, and local government, industrial and foreign organizations.

Document Types

100% Notice of Reserach Project

Indexing

Subject coding/classification scheme: SSIE

Chemical identifiers (nomenclature codes, notations, fragmentation schemes):

chemical name from source of data
IUPAC name
Name fragments
Trade name(s)

On-line searching available from: Lockheed; SDC

Cost: (Lockheed) $90/computer connect hour
0.20/citation for off-line printing

(SDC) $110/computer connect hour
0.25/citation for off-line printing

United States Political Science Documents

Acronym: USPSD

Time Span Covered by Data Base: 1975 to present

Correspondence with printed source:

United States Political Science Documents

Subject Category: Political, Social and Policy Sciences

Document Types

journal articles

On-line searching available from: Lockheed

Cost: $65/computer connect hour

0.15/citation for off-line printing

ONLINE GLOSSARY

Boolean Operator	Those terms AND, OR, AND NOT used for creating search logic in developing a search strategy. The use of these words creates subsets of records in a given data base.
Citation	Bibliographic information available in variable formats in all data bases.
Command	Instructions given to ORBIT for searching and related functions.
Data Base	Files of bibliographic citations representing original printed source documents.
Offline	Non-direct communication with the computer. For example, the request for offline prints will produce bibliographic citations that are printed on a high-speed printer and mailed direct rather than printing immediately at the terminal.
Online	Direct communication between a terminal and a computer through the use of telecommunications.
Postings (Hits)	Citations retrieved as a result of successful search logic.
Search Statement	Terms entered in the proper format to be searched by ORBIT.
Timesharing	Computer connection via a telecommunications network such as Tymnet or Telenet.
Unit Record	The complete record of all information available online representing one original source document. Included in this unit record is bibliographic information plus assigned vocabulary and abstracts in many data bases.

taken from System Development Corp, SDC Search Service.
ORBIT New User Training Manual.